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*GİZEM BUĞDAY*  
*INSTRUCTOR AT ÖZYEĞİN UNIVERSITY*  
*PHD CANDIDATE AT ITU ATMOSPHERIC SCIENCE*  
*MSc. METEOROLOGY ENGINEER*

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## SKILLS

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### Advanced Office Programs

**Wasp-** (Wind Atlas Analysis and Application program)

**Global Mapper**

**NSL Programming**

**Preparation of Technical Report**

## SCHOLARSHIPS/PROJECTS

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**Achievement scholarship** from the Vehbi Koç Foundation between 2013 and 2016.

**ITU Department of Information Technology-** Research Projects

I carried out **NEWA(New European Wind Atlas)** Research project carried out with TUBITAK.

## ACADEMIC QUALIFICATION

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**High School:** Cengiz Topel High School **4.47 / 5**

(06.2009) (Physical Sciences)

**University (Bachelor's Degree):** Istanbul Technical University

09.2011-12.2016 - (Formal Education) Aviation and Space Sciences, Meteorological Engineering (Turkish)

**SCORE: 3/4**

## EXPERIENCE (JOB AND TRAINEE)

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### INSTRUCTOR AT ÖZYEĞİN UNIVERSITY

I teach Meteorology courses as part of Professional Flight Training Program at Özyeğin University in the semesters of 2021.

B.Sc. at Istanbul Technical University, in the Department of Meteorology Engineering.

### TEACHING

METEOROLOGY (ATPL)

METEOROLOGY (PPL)

### TEORITICAL KNOWLEDGE TEACHER

**01/02/2019, continuous**

I have been teaching theoretical knowledge at flight school in Turkey. I am working as a Teacher in such Flight school (Fenix Aviation/Turkish Flight Academy/ Erah Aviation/Istanbul Aviation)

050 Meteorology Authority

032 Performance Authority

010 Air Law – work in progress

031 Mass and Balance –work in progress

061 General Navigation – work in progress

**Tubitak NEWA Project /Researchers**

**01-01-2017-2019** İstanbul(Avr.) - Turkey Periodical // Project Based Job

NEWA (New European Wind Atlas) Research project carried out with TUBITAK. The Atlas, based on improved modelling competencies on atmospheric flow and its interactions with wind turbines and wind farms, will cover all EU Member States and some Associated Countries.

**BAP (Scientific Research Project) –Project Researchers**

Project Subject: Investigation of the Effect of Wind Potential in Turkey's West Coast Meltemi wind and Modeling

**Borusan ENBW Energy Trainee**

07.2016-08.2016 (1 month) Mersin – Turkey- Intern

Estimated energy production and meteorological relation.

**İ.B.B Akom (Disaster Coordination Center) Trainee**

03.2016-04.2016 (1 month) İstanbul(Avr.) - Turkey Intern  
Utilizing meteorological and hydrological information for planning of water resources, development and management,

**Turkish State Meteorological Service Trainee**

**University (Master's Degree):**  
Istanbul Technical University (ITU) -  
(Formal Education)

01.2017-01.2019 Aviation and Space  
Sciences, Atmospheric science  
(English) **SCORE: 3,25**

**University (Doctor of Philosophy-  
Ph.D): 2019- Continuous-** Aviation  
and Space Sciences, Atmospheric  
science (English) **SCORE: 3,37**

08.2014-09.2014 (1 month) Adana - Turkey Intern

Properties of the climatological and synoptic observations;  
Measurement of meteorological parameters.

**Assistant ITU Information Technology Department**

04.2014-10.2015 (1 year, 6 months) İstanbul(Avr.) - Part-Time  
ITU Information Technology Department serves 20,000 users in  
the ITU. I am working as part-time students in various department  
such as the counseling department, the operator and the workshop  
for the solution of hardware problems in ITU.

## REFERENCES

PROF. DR. ŞİBEL MENTEŞ  
PROF. DR. MİKDAT KADIOĞLU  
PROF. DR. H. SEMA TOPÇU

## ACADEMIC BACKGROUND AND ARTICLES

- 1) "Comparison of WRF Model results with observations over TURKEY: A case study In MUT Region", S. S. Mentés, Y. Ezber, E. Yılmaz, Y. S. Unal, T. Kaytancı, A. N. Hahman, E. Erten, S. Topcu, Z.Aslan, **G.Bugday**, SOWE 26-28 April, 2017, The Fifth Symposium on OpenFOAM in Wind Energy, Pamplona, Spain.
- 2) "Coupling Of Meso Scale Model Results With Micro Scale Models, Sensitivity Analysis Study For Edirne Province At Different Elevation Data Resolutions", **G. Buğday**, E. Yılmaz, E. Erten, S. S. Mentés, Y. Ezber, pp:420-424, 8 th Atmospheric Sciences Symposium - 01-04 November 2017 – Istanbul - Turkey
- 3) "Investigation of Sea Breezes on the Middle Aegean Coast of Turkey", **Gizem BUĞDAY**, S. Sibel MENTEŞ, H. Sema TOPÇU, Yasemin EZBER, Tarık KAYTANCI, 7th International Conference on Meteorology and Climatology of the Mediterranean, Spain Palma, 4 – 6 March, 2019
- 4) **Buğday G.** Mentés S. Topçu S. Kaytancı T. Ünal Y. (2019). Analyzing of Sea Breezes Types On the South of Aegean Coast of Turkey, 9th Atmospheric Sciences Symposium (ATMOS 2019), 23-26 October 2019, İstanbul, Türkiye
- 5) "Sensitivity Analysis Study for Edirne and Mut Province at Different Elevation Data Resolutions Coupling Meso Scale Model Results with Micro Scale Models", Akyıl D. Yılmaz E. Erten E. Ezber Y. **Bugday G.** Ünal Y. Mentés S. EGU2018, Proceedings from the conference held 4-13 April, 2018 in Vienna, Austria, p.19007